(19) World Intellectual Property Organization

International Bureau





(43) International Publication Date 7 October 2004 (07.10.2004)

PCT

(10) International Publication Number WO 2004/085247 A1

(51) International Patent Classification7:

B64C 1/06

(21) International Application Number:

PCT/EP2004/003308

- (22) International Filing Date: 29 March 2004 (29.03.2004)
- (25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

103 14 039.5

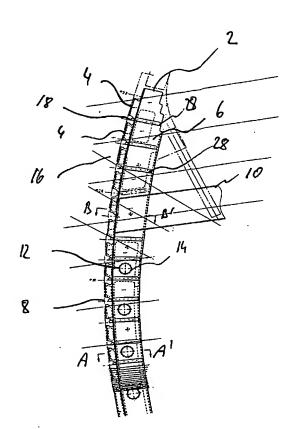
28 March 2003 (28.03.2003) DE

- (71) Applicant (for all designated States except US): AIRBUS DEUTSCHLAND GMBH [DE/DE]; Kreetslag 10, 21129 Hamburg (DE).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): LÜTTIG, Helmut [DE/DE]; Braunstieg 21a, 22119 Hamburg (DE). PAUL, Carsten [DE/DE]; Auefeld 9, 21441 Garstedt (DE).

- (74) Agent: KOPF, Korbinian; Maiwald Patentanwalts GMBH, Elisenhof, Elisenstrasse 3, 80335 München (DE).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK,

[Continued on next page]

(54) Title: INTEGRAL FRAME MEMBER FOR AN AIRCRAFT



(57) Abstract: According to an exemplary embodiment of the present invention, a frame member for an aircraft is provided comprising a clip region (4) and a frame region (6). According to an aspect of this exemplary embodiment of the present invention, the clip region (4), shear web region (16) and the frame region (6) are integrated into the frame member and be formed from an extrusion mold by a milling process. Advantageously, this allows for a reduced number of individual elements for forming a frame member and provides the flexibility of variation of the forms and dimensions of a frame member for an aircraft.